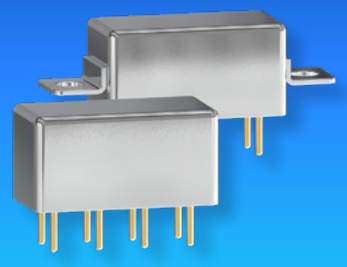
CROUZET

2 A 2 PDT Non-Latching

Hermetically Sealed Relays



Electrical Control & Protection > Hermetically Sealed Relays > Non-Latching Relays > 2 Amps **> 2 PDT**

Crouzet Hermetically Sealed Relays are ideal for switching electrical loads in harsh environments requiring extended lifetime. Available in multiple current options, voltage ratings and contact arrangements to meet the specific needs of each demanding applications in Aerospace, Railway, Nuclear and Defense.

Offer Description

- Type: Non Polarized, Non-Latching, Polarized, Non-Latching
- Contact arrangement: 2 PDT
- Nominal Current: 2 A
- Contact Voltage Rating: 28VDC
- Coil Supply: Direct Current
- Weight: 11 g max
- Polarizing Pin : No

Qualifications

- Industry: IEC 61810-1, IEC 61810-7, IEC 61811-1
- Aerospace: EUROCAE ED-14G / DO160G, NF EN ISO 2685

Standard Offer

2 A 2 PDT Non-Latching Hermetically Sealed Relays

Coil voltage	New Part Number	Connection		Mounting		Protection	Key	Qualification	Market	P/N
		Type	Material	Flange	Screw					
6 VDC	RN02200 X006D PT0X 00	Pin	Tin	-	-	-	-	-	Defense	03105001
12 VDC	RN02200 X012D PT0X 00	Pin	Tin	-	-	-	-	-	Defense	03105002
28 VDC	RN02200 X028D PT0X 00	Pin	Tin	-	-	-	-	-	Aerospace	03116050
28 VDC	RN02200 P028D PG0X 00	Pin	Gold	-	-	√	-	-	Aerospace	03116080

Accessories

Silicone rubber gasket
P/N: 284-180

Only available for crimp style socket

Insulating rubber gasket
P/N: 284-140

For soldering on double side PCB

Soldering sockets
P/N: S310S01A102

For wires

Soldering sockets
P/N: S310S01A101
S310S01A103

For PCB

Contact Rating (A)

Type of Load (High Level)	Minimum operating cycles	28 VDC
Resistive load	100,000	2 A
Inductive load (L/R = 5 ms)	20,000	0.75 A
Motor load	-	-
Lamp load	100,000	0.2 A
Overload (resistive load)	100	4 A

Coil Characteristics

Nominal operating voltage	6 VDC	12 VDC	28 VDC
Maximum operating voltage	7.5 V	15 V	29 V
Pull in maximum voltage at +20 °C	3.5 V	7 V	13.5 V
Pull in maximum voltage at +125 °C	5 V	10 V	19.5 V
Hold voltage at +20 °C	1.5 V	3.3 V	6.5 V
Drop-out voltage of -65° to +125 °C	0.25 V	0.5 V	1 V
Coil resistance in Ohms ± 10% at +20 °C	47.5 Ω	190 Ω	700 Ω
Maximum back EMF (Volts) with transient suppression	-	-	± 42

Electrical Characteristics

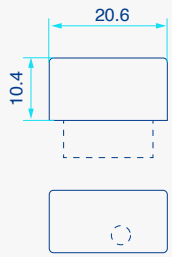
Voltage drop at nominal current (before life)	50 mV max
Voltage drop at nominal current (after rated life)	150 mV max
Operate time at nominal voltage at 25 °C (DC)	4 ms max
Release time at nominal voltage at 25 °C (DC)	4 ms max
Bounce time	2.5 ms max
Dielectric strength at sea level	
Contacts to ground and between contacts	500 Vrms
Coil to ground	500 Vrms
Dielectric strength at 70,000 Ft (all points)	300 Vrms
Insulation resistance	
Initial	> 100 MΩ at 500 VDC
After Life Tests	> 50 MΩ at 500 VDC
Low level contact rating	30 µA 30 mVDC
Initial contact resistance	< 50 mΩ
End of life contact resistance	150 mΩ

Environmental & Mechanical Characteristics

Temperature range	-65 °C to +125 °C
Operating position	Any
Resistance against vibrations EUROCAE ED-14G / DO160G	Sinus: 20 g - 10 - 2,000 Hz Random: 0.4 g²/Hz - 50 - 2,000 Hz
Mechanical shock (any axis) EUROCAE ED-14G / DO160G	100 g - 11 ms
Maximum contact opening time under vibration and shock	10 µs
Shake resistance	40 g
Acceleration	100 g all directions
Leak rate	≤ $1x10^{-8}$ atm cm³/s
Damp heat	IEC 60068-2-78, Test condition Cab
Salt mist	IEC 60068-2-11, 96h

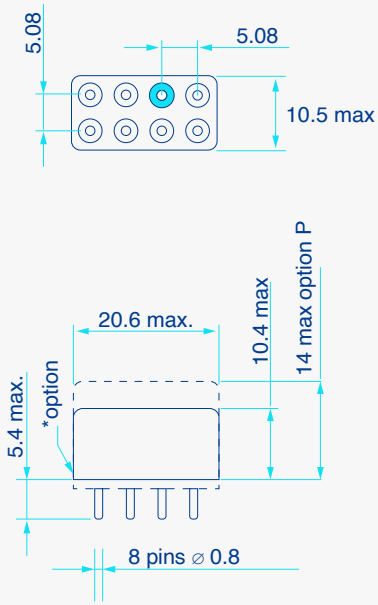
Mountings

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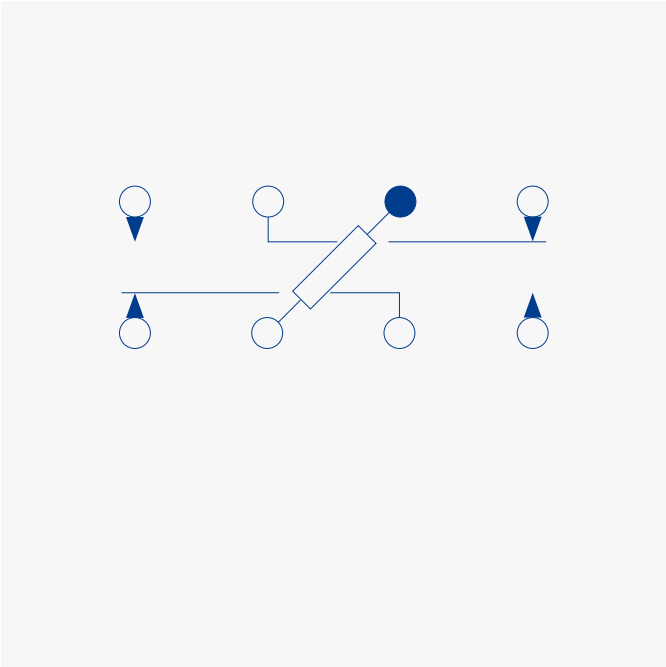


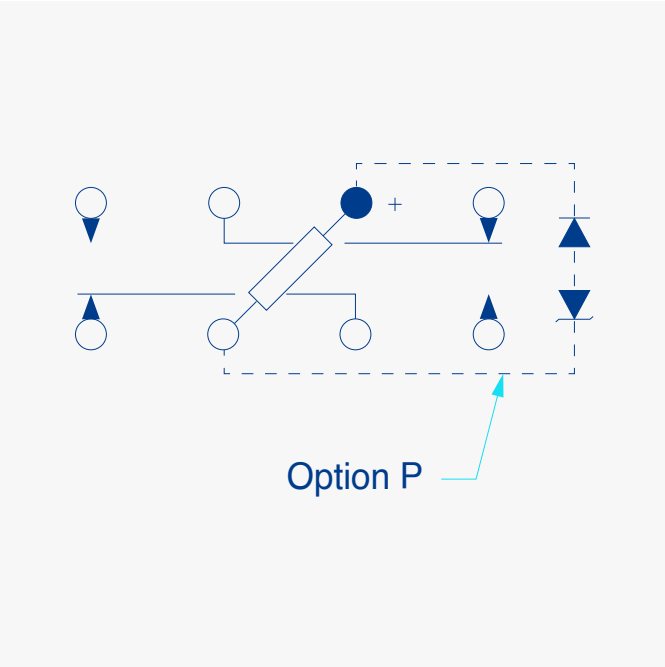
Connections

P Connection type: Pin



Connection Diagrams





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